

DESCRIPTIVE ABSTRACT

The machine for making a non-woven material aerologically has a forming and
5 conveying surface permeable to air, a dispersion chamber surmounting said surface and
means, particularly vacuum means located under said forming and conveying surface of
the non-woven material, which are capable not only of producing an air flow inside the
dispersion chamber that allows the fibers inside the chamber to disperse and projects
them onto the forming and conveying surface, but also create a vacuum in one zone—
10 called the vacuum zone (9)—of the forming and conveying surface (1) of the non-woven
material that extends under the dispersion chamber (2) and downstream from it, with the
vacuum speed decreasing between the upstream and downstream parts of said zone (9).

The wall downstream (4) from the vacuum chamber (2) is a plate, and the lower
15 edge (12) of said downstream wall (4) delimits, along with the upper end (1a) of the
forming and conveying surface of the non-woven material (1), a space for passage whose
height is greater than the thickness of the non-woven material (13) coming out of the
dispersion chamber (2).